

Ms. Muntaha Behbehani

Central Analytical Laboratory

Kuwait Institute for Scientific Research

Bachelor in Biochemistry, 1981

Experience at KISR, 28 years at the Physical Chemistry
Laboratory of the Central Analytical Laboratory

Email: mbahbaha@yahoo.com



About KISR

- Kuwait Institute for Scientific Research is a premier R&D institute in the State of Kuwait
- Established in 1967
- Consists of several Research Divisions
 - Environment and Urban Development
 - Petroleum
 - Water resources
 - Food

Besides there are specialized laboratories and centers of excellence within the institute

Staff Strength is ~1500 research and administrative staff



About CAL

- Central Analytical Laboratory is established in 1977.
- To provide analytical support and services to KISR's applied research programs.



About CAL

Five analytical sections :

- Chromatography section
- Spectroscopy section
- Physical chemistry section
- Trace metals section
- Wet chemistry section

Quality control & Quality assurance unit



Experience

- KISR is new to the field of radiochemistry
- It started with cooperation with IAEA in 2001
- Since then 6 TC projects have been taken up by KISR
- During these years we are focusing with establishment of the infrastructural facilities and building capacity to take up the challenging job.
- Facilities existing
 - Ultra low background Gamma
 - Gamma-Ray Spectrometer
 - Alpha Spectrometer
 - Quantulus-1220 Ultra Low Liquid Scintillation Spectrometer



Personal Experience

- I am responsible for Thermal Analyzer, X-ray diffraction(XRD), Gamma-ray spectrometer analyses and Alpha spectrometer recently
- I am responsible for radiochemical analyses
- **Nucleonica** is a new field for us in Kuwait and we are trying to learn more about it.

Thank You